

Appl. No. : 10/629,210
Filed : July 28, 2003

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions and listings of claims in this application. Added matter is indicated by underlining and deleted matter is indicated by strikethroughs or double brackets ([]).

1. (Cancelled)
2. (Currently Amended) An intraocular lens according to[[claim 1]] claim 45, wherein the supplemental intraocular lens is configured to enhance the vision correction provided by the primary intraocular lens.
3. (Currently Amended) The intraocular lens according to[[claim 1]] claim 45, wherein the supplemental intraocular lens comprises a resiliently bendable lens.
4. (Cancelled)
5. (Currently Amended) The intraocular lens according to[[claim 1]] claim 45, wherein the supplemental intraocular lens has a thickness in the range of about 10 μ m to about 300 μ m.
6. (Cancelled)
7. (Currently Amended) The intraocular lens according to[[claim 1]] claim 45, wherein the supplemental intraocular lens is anteriorly vaulted with respect to the primary intraocular lens.
8. (Currently Amended) The intraocular lens according to[[claim 1]] claim 45, wherein the supplemental intraocular lens is operatively coupled to the primary intraocular lens.
- 9-11. (Cancelled)
12. (Currently Amended) The intraocular lens according to[[claim 11]] claim 45, wherein the supplemental intraocular lens includes a blue blocker.
13. (Currently Amended) The intraocular lens according to[[claim 1]] claim 45, wherein the supplemental intraocular lens is multifocal.
14. (Currently Amended) The intraocular lens according to[[claim 1]] claim 45, wherein the supplemental intraocular lens is toric.
- 15-32. (Canceled)
33. (Currently Amended) The intraocular lens according to[[claim 1]] claim 45, wherein the diffractive optic comprises a plurality of echelettes having a predetermined depth that is on the order of a wavelength.

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34-35. (Cancelled)

36. (Currently Amended) The intraocular lens according to[[claim 1]] claim 45, wherein the diffractive optic comprises a first-order diffraction profile.

37. (Currently Amended) The intraocular lens according to[[claim 1]] claim 45, wherein the diffractive optic comprises a multi-order diffraction profile.

38-40. (Cancelled)

41. (Currently Amended) The intraocular lens according to[[claim 1]] claim 45, wherein the power of the supplemental intraocular lens being determined by the diffractive effects thereof and is substantially independent of the thickness thereof.

42. (Currently Amended) The intraocular lens according to[[claim 1]] claim 45, wherein the supplemental intraocular lens is configured to be implanted in a subsequent surgical procedure.

43-44 (Cancelled)

45. (New) An intraocular lens for insertion into an eye, comprising:

a primary intraocular lens having vision correcting power when placed into an eye of a patient; and

a supplemental intraocular lens that modifies the vision correcting power of the primary intraocular lens when in the eye and that comprises a substantially completely diffractive optic that is disposed separately from the primary intraocular lens, the supplemental intraocular lens being positively powered or negatively powered, depending on whether the vision correcting power is insufficient or excessive, respectively.

46. (New) The intraocular lens according to claim 45, wherein the supplemental intraocular lens comprises a blazed profile disposed on a substrate that is planar or curved.

47. (New) The intraocular lens according to claim 45, wherein the supplemental intraocular lens is positively powered or negatively powered, depending on whether the vision correcting power is insufficient or excessive.

48. (New) An intraocular lens for insertion into an eye, comprising:

a primary intraocular lens having vision correcting power when in an eye of a patient; and
a supplemental intraocular lens that modifies the vision correcting power of the primary intraocular lens when in the eye and that comprises a blazed profile on a planar substrate, the supplemental intraocular lens being disposed separately from the primary intraocular lens, the

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supplemental intraocular lens comprising a substantially completely diffractive optic having a positive optical power or a negative optical power.

49. (New) The intraocular lens according to claim 48, wherein the supplemental intraocular lens is positively powered or negatively powered, depending on whether the vision correcting power is insufficient or excessive, respectively.

50. (New) The intraocular lens according to claim 48, wherein the diffractive optic comprises a first-order diffraction profile.

51. (New) The intraocular lens according to claim 48, wherein the diffractive optic comprises a plurality of echelettes having a predetermined depth that is on the order of a wavelength.